

Stealth Coating Market Report by Resin Type (Epoxy, Polyurethane, Polyimide), Application (Aerospace and Defense, Automotive, and Others), and Region 2024-2032

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Abstracts

The global stealth coating market size reached US\$ 305.0 Million in 2023. Looking forward, IMARC Group expects the market to reach US\$ 440.3 Million by 2032, exhibiting a growth rate (CAGR) of 4% during 2024-2032.

Stealth coating is used to make vehicles and missiles less visible to radar, infrared (IR), and other detection methods in the defense sector. It has a variety of nano-ultrafine particles with a strong ability to absorb electromagnetic waves of different bands, which can minimize the intensity of reflected signals. It can be applied on tactical unmanned aerial systems (UAS) over the external surface to regions of high radar reflection, including edges. Nowadays, researchers around the world are focusing on developing smart stealth coating, which can change the appearance of an aircraft according to its background.

Stealth Coating Market Trends:

Due to rising geopolitical tensions, security agencies across the globe are focusing on strengthening their defense and military sectors. As a result, they are increasing their expenditure on innovative and advanced technologies, such as stealth coating, for fighter aircraft, bombers, missiles, tanks, and helicopters. Stealth coating is also employed in the automotive sector for providing protection to vehicles against scratches, road debris, and malicious damages. Apart from this, the stealth coating of nanoparticles (NPs) in drug-delivery systems offers molecular weight, surface chain density, and conformations of polymer chains. Consequently, it is widely used on the

surface of NPs to improve the blood circulation system. As NPs are emerging as a powerful drug-delivery tool for cancer therapies, which enhances the specificity of drug actions while reducing the systemic side effects, the demand for stealth coating is anticipated to rise in the coming years.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global stealth coating market report, along with forecasts at the global, regional and country level from 2024-2032. Our report has categorized the market based on resin type and application.

Breakup by Resin Type:

Epoxy

Polyurethane

Polyimide

Breakup by Application:

Aerospace and Defense

Automotive

Others

Breakup by Region:

North America

United States

Canada

Asia-Pacific

China

Japan

India

South Korea

Australia

Indonesia

Others

Europe

Germany

France

United Kingdom

Italy

Spain

Russia

Others

Latin America

Brazil

Mexico

Others

Middle East and Africa

Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being CFI Custom Military Solutions, Intermat Group SA, Micromag, MWT Materials Inc., Stealth Coatings, Surrey NanoSystems and Veil Corporation.

Key Questions Answered in This Report

1. What was the size of the global stealth coating market in 2023?
2. What is the expected growth rate of the global stealth coating market during 2024-2032?
3. What are the key factors driving the global stealth coating market?
4. What has been the impact of COVID-19 on the global stealth coating market?
5. What is the breakup of the global stealth coating market based on the resin type?
6. What is the breakup of the global stealth coating market based on the application?
7. What are the key regions in the global stealth coating market?
8. Who are the key players/companies in the global stealth coating market?

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